

What Is Claimed Is:

1 1. A method of decreasing human immunodeficiency
2 virus entry into cells, the method comprising decreasing
3 levels of functional CD63 present within the human
4 immunodeficiency virus and the cells.

1 2. The method of claim 1 wherein decreasing levels
2 of functional CD63 comprises exposing the CD63 to an
3 inhibitor of the functional CD63.

1 3. The method of claim 1 wherein the inhibitor is
2 an antibody.

1 4. The method of claim 1 wherein the cells are
2 macrophages.

1 5. A method of treating or preventing human
2 immunodeficiency virus infection in a subject, the method
3 comprising administering to the subject an amount of a
4 compound effective to decrease levels of functional CD63
5 in cells of the subject.

1 6. The method of claim 5 wherein the compound
2 decreases levels of functional CD63 by decreasing CD63
3 gene expression.

1 7. The method of claim 6 wherein decreasing CD63
2 gene expression comprises exposing the cells to a
3 compound which decreases CD63 gene expression.

1 8. The method of claim 7 wherein the compound is
2 an antisense oligonucleotide targeted to the CD63 gene.

1 9. The method of claim 5 wherein the compound is
2 an inhibitor of the functional CD63.

1 10. The method of claim 9 wherein the inhibitor is
2 an antibody.